

9.0 INRMP IMPLEMENTATION

9.1 INRMP Implementation

MCAS Miramar's natural resource management program will seek appropriate funding and will set priorities based on funding actually received. Implementation of planned actions and projects is a requirement of the Sikes Act, which directs the development and implementation of INRMPs.

This INRMP will be considered to be implemented when MCAS Miramar:

- actively requests, receives, and uses funds for Must Fund Projects and activities;
- ensures that sufficient numbers of professionally trained natural resources management staff are available to perform the tasks required by the INRMP;
- coordinates annually with all cooperating offices; and
- documents specific INRMP action accomplishments undertaken each year (USMC 2004).

9.1.1 Funding Definitions

DoD Instruction 4715.3 describes funding classifications that pertain to Must Fund Projects (Class 0 and Class 1) and other planned projects that are not required to meet INRMP implementation status (Class 2 and Class 3).

Class 0, Recurring Natural and Cultural Resources Conservation Requirements (“Federal and State laws, regulations, Presidential Executive orders, and DoD policies”) shall contain any INRMP actions necessary to rehabilitate or prevent resources degradation that may affect military readiness.

Class 1, Current Compliance shall contain requirements to managed federally listed threatened or endangered species, proposed federally listed threatened or endangered species, candidate species, proposed critical habitat on the installation or court-ordered actions to prevent the listing of species or habitat that could affect military readiness. Class 1 includes projects needed because an installation is currently out of compliance (“has received an enforcement action from a duly authorized Federal or State agency, or local authority; has a signed compliance agreement or has received a consent order; has not met requirements based on applicable Federal or State laws, regulations, standards, Presidential Executive orders, or DoD policies...and/or are immediate and essential to maintain operation integrity or sustain readiness of the military mission”). Class 1 also includes projects that are not currently out of compliance but shall be if projects are not implemented in the current program year.

Class 2, Maintenance Requirements shall include those projects that are not currently out of compliance but shall be out of compliance (with applicable laws, regulations, standards, Executive Orders, or DoD Policy) if projects are not implemented in time to meet an established deadline beyond the current program year.

Class 3, Enhancement Actions Beyond Compliance shall include projects that enhance conservation resources or the integrity of the installation mission, or are needed to address overall environmental goals and objectives, but are not specifically required under regulation or executive order and are not of an immediate nature (e.g., community outreach, educational and public awareness projects, management or surveys for candidate species for listing, natural resources restoration when no compliance requirement, volunteer program management).

Must Fund Projects and activities include those required to:

- meet USFWS special management criteria for threatened and endangered species management,
- provide for qualified natural resources personnel, and

- prevent resource loss or degradation (e.g., soil loss, other maintenance activities) that may affect military readiness (USMC 2004).

Formal adoption of an INRMP by the installation commander constitutes a commitment to seek funding and execute, subject to the availability of funding, all Must Fund Projects in accordance with specific timeframes identified in the INRMP. Under the Sikes Act, any natural resources management activity that is specifically addressed in the plan must be implemented (subject to availability of funds). Failure to implement the INRMP is a violation of the Sikes Act and may be a source of litigation (USMC 2004).

Must Fund Projects and Other Planned Projects identified in this chapter (and Chapter 7) are described in a more detailed, standardized format in Appendix D. The year identified for any given planned project is the year for which funding is programmed. Other Planned Projects are identified for implementation as funding permits and may be delayed for a year or more before such delay could cause a management problem. Sections 9.4, *INRMP Funding* and 9.5, *INRMP Implementation Costs* address funding specific to this INRMP and its projects.

All actions and projects (In-house Management Actions, Projects in Progress, Must Fund Projects, and Other Planned Projects) are summarized in tabular format in Appendix E to provide a means of monitoring overall INRMP implementation.

9.1.2 INRMP Implementation Responsibility

The Environment Management Department, Natural Resources Division for MCAS Miramar is responsible for implementing this INRMP. The Natural Resources Division provides program management for natural and cultural resource compliance and management on the Station. Division activities include the following:

- planning for and accomplishing established goals, objectives, and planned actions to support the ongoing military mission of the Station;
- providing technical guidance regarding vegetation management, soil conservation, management of Special Status Species, wetland conservation, fish and wildlife management, outdoor recreation, cultural resource protection, and environmentally-related GIS data management;
- providing technical advice on military and non-military NEPA documents, facility planning, construction plans, maintenance activities, military operations, and other proposed actions that may affect natural and cultural resources;
- using in-house staff, Natural Resources Division-managed contracts, and cooperative agreements to conduct fieldwork, surveys, and inventories to provide specific information on the flora and fauna on MCAS Miramar and proactively maintain up-to-date resource data for activity and project planning, thereby minimizing resource data collection delays;
- serving as the lead for planning and addressing natural resource compliance issues, such as wetland and endangered species regulatory requirements;
- providing technical natural and cultural resource management support to Station action proponents regarding resource compliance requirements and BMPs involved with their actions; and
- providing conservation education training to military and civilian personnel to raise awareness and improve community relations with the goal of preventing resource damage.

9.2 Personnel

9.2.1 INRMP Implementation Professional Staffing

9.2.1.1 Policy and Background

The following staffing (full-time permanent U.S. Marine Corps civilian positions) is required within the Natural Resources Division to implement this INRMP at MCAS Miramar:

Director, Natural Resources Division	1
Botanist	1
Wildlife Biologist	1
GIS Specialist (Geographer)	1

Above personnel do not include other personnel within the Environmental Management Department, other personnel within Public Works Division, or other organizations on MCAS Miramar (*e.g.*, Provost Marshal's Office, Ground Training Office) who have roles in implementation of this INRMP. It also does not include other agency personnel, such as personnel with the Naval Facilities Engineering Command, Southwest or within the USFWS or CDFG.

The MCAS Miramar Natural Resources Division strives to continuously improve the success of natural resources management activities through professional development (required by MCO P5090.2, para. 11104 1.j) and information exchange. This is accomplished through professional training to keep staff knowledge of management strategies state of the art.

Wildland fire management training is needed for Natural Resources Division staff responsible for supporting wildland fire management on the Station. In general, staff members obtain USFWS training in ESA Section 7 consultation, wetland delineation, CWA Section 404 Nationwide Permitting, and similar compliance-related training. Other training obtained in recent years by one or more staff members include the *Endangered Species Act and Habitat Management Course*, Ecological Risk Assessment, California Invasive Plant Council Conference, fairy shrimp identification, annual National Military Fish and Wildlife Association meeting, annual ESRI User Conference, and the DoD Conservation Conference.

The MCAS Miramar Natural Resources Division strives to continuously improve the success of natural resources management activities through the use of modern equipment and technology as well as the regular procurement of supplies needed to support the program. Supplies are necessary to conduct day-to-day operations and provide support to several smaller scale projects.

9.2.1.2 Objective(s) and Planned Actions

Objective: Provide professional, well-trained staffing and appropriate supplies and equipment for the MCAS Miramar natural resources program to effectively implement this INRMP.

Must Fund Projects

- Manpower (Labor) (MI37405), annually.
- Natural Resources Training/Travel (MI69690), annually.
- Natural Resources Supplies (MI72633), annually.
- GIS/GPS Supplies, Equipment, and Maintenance (MI22202), annually.

9.2.2 Project Support

9.2.2.1 Policy and Background

The Naval Facilities Engineering Command, Southwest provides some project management support to the Natural Resources Division for contracting, natural resource cooperative agreements, and project oversight. Projects include: invasive species removal, vernal pool habitat studies, Long Term Ecological Trend Monitoring, vegetation mapping, rare and endangered species surveys, and habitat restoration. The Naval Facilities Engineering Command, Southwest also acts as the real estate agent for executing permits, leases, easements and similar occupancy or use of Station property lasting more than one year.

9.2.2.2 Objective(s) and Planned Actions

Objective: Provide project support needed to implement this INRMP.

In-house Management Action:

- Ensure that all new leases, easements, and similar occupancy or use agreements of Station property do not preclude the execution of natural resource management activities by the Marine Corps.

Must Fund Project

- Natural Resources Project Support (MI0300009), annually, as needed.

9.3 Action and Project Summary

Objectives and their projects within this INRMP (chapters 7 and 9) can be used to monitor the effectiveness of natural resources management at MCAS Miramar. Appendices D (detailed descriptions) and E (title only) contain a list of each objective and **Must Fund Projects** associated with it. A major aspect of INRMP implementation is whether or not MCAS Miramar actively requests, receives, and uses funds for Must Fund Projects (Section 9.1, *INRMP Implementation*). These appendices also include implementation schedules.

Appendix D also contains a list of **Other Planned Projects**, and Appendix E also contains a list of each objective and **In-house Management Actions, Projects in Progress**, and **Other Planned Projects** associated with it. These non-Must Fund projects and actions are not required to be implemented to achieve INRMP implementation status, but they are an important component of this INRMP. Appendix E also includes an implementation schedule, but the nature of some of these non-Must Fund projects makes this schedule subject to available funding.

9.4 INRMP Implementation Funding

The Marine Corps CompTRAK budget system provides the primary means for identifying current and projected budget requirements needed to execute the MCAS Miramar natural resources program and achieve implementation of this INRMP. Below are primary sources of funds (Operations and Maintenance; Agricultural; and Environmental) available to MCAS Miramar and FY 2006-2010 budget summaries.

The Marine Corps budgetary process requires requests for funding as far as seven years in the future. Thus, MCAS Miramar budgets for natural resources management throughout 2006-2010 are already in the system. However, these budgets are periodically updated, so they are sufficiently flexible to meet emergent requirements and needs.

The following statement is required in all Marine Corps INRMPs (USMC 2004).

All actions contemplated in this INRMP are subject to the availability of funds properly authorized and appropriated under federal law. Nothing in this INRMP is intended to be nor shall be construed to be in violation of the Anti-Deficiency Act, 31 USC §1341.

9.4.1 Operations and Maintenance Funds

Certain projects within this INRMP are either partially or fully funded with Operations and Maintenance funds, termed Operations Budget. Projects in the Operations Budget are typically recurring requirements to maintain services and monitoring programs (*e.g.*, labor costs); however, each project may not be required every year (*e.g.*, the INRMP must only be reviewed/revised every five years). These locally controlled funds have more flexibility than environmental funding, and they compete with other installation needs for priority. They provide means to achieve projects at all classifications (must funds and other projects).

Table 9.4.1 lists projects for which environmental funding is anticipated for implementation of this INRMP.

Table 9.4.1. Operations Budget Projects*¹

General Topics	INRMP Section	CompTRAK Project #s	Fund Class **	FY 06	FY 07	FY 08	FY 09	FY 10	Totals
General Vegetation Management and Soil Conservation	7.3.1	MI55353	0	\$20	\$20	\$20	\$20	\$20	\$100
		MI25555	0	\$5	\$5	\$5	\$5	\$5	\$25
Special Status Species Management	7.4	MI37405	0	\$120		\$120			\$240
		MI97016	0		\$30			\$30	\$60
		MI0500005	0			\$130			\$130
		MI10NR09	1					\$110	\$110
Vernal Pool Habitat Management	7.5.1	MI82949	1	\$10	\$10	\$10	\$10	\$10	\$50
General Wetlands Management	7.5.2	MI97014	1		\$100				\$100
Geospatial Information Management	7.8	MI1NR08	2		\$10				\$10
INRMP Planning	7.10	MI40225	1				\$150		\$150
INRMP Implementation Professional Staffing	9.2.1	MI0300003	0	\$295	\$295	\$295	\$295	\$295	\$1,475
		MI69690	0	\$10	\$10	\$10	\$10	\$10	\$50
		MI72633	0	\$8	\$8	\$8	\$8	\$8	\$40
		MI22202	0	\$8	\$8	\$8	\$8	\$8	\$40
Totals				\$476	\$496	\$606	\$506	\$496	\$2,580

* Funding in thousand of dollars.

** See definitions in Section 9.1.1, *Funding Definitions*.

¹ Will be adjusted for inflation.

9.4.2 Agricultural Funds

Agricultural funds are derived from agricultural leases on installations. They are centrally controlled with no requirements for spending them where they were generated. They are primarily intended to offset costs of maintaining agricultural leases, but they are also available for preparing and implementing INRMPs as well as other natural resource projects.

Use of Agricultural Outleasing Proceeds

Administrative expenses of agricultural outleasing that may be funded with proceeds are limited to those direct supervisory, technical, clerical, legal, and accounting costs wholly attributable to agriculture leasing. This process includes initiating new leases and administering existing leases. Authorized expenses that may be reimbursed by outleasing funds are as follows (MCO P5090.2_, para. 11201 6), in priority order:

- a. administration expenses, including personnel- related expenses, that are directly attributable to agricultural and grazing program management;
- b. development and implementation of INRMPs and programs including expenses of inventories and surveys;
- c. improvements or rehabilitation of land and other natural resources to enhance productivity;
- d. improvements or rehabilitation of land and water resources for the purpose of soil and water conservation;
- e. land and water resource improvements for fish and wildlife habitat enhancement;
- f. improvements to land and water to provide for outdoor recreational use of natural resources;
- g. travel and training in support of integrated natural resources management programs; and
- h. purchase of equipment and materials to support integrated natural resources management programs and projects.

Agricultural Outleasing Fund Provisions

Agricultural outleasing funds to support natural resources management operations are managed by the Headquarters, Marine Corps (Natural Resources Branch). The direct obligation authority provided for this operation is footnoted on the operating budget and may not be transferred to other accounts or used for purposes not identified with integrated natural resources management. Expenditures are to be consistent with the installation's annual operational plan. Modification of the plan may be made based only on the prior approval of Headquarters, Marine Corps. Natural resources program requirements that may be funded with agricultural outlease proceeds do not include (MCO P5090.2_, para. 11201 7):

- a. mitigation or compensation for damage to natural resources caused by construction projects or operational requirements;
- b. projects and expenses of commercial forest production;
- c. recurring grounds maintenance requirements on improved and semi-improved grounds, such as mowing, fertilizing, irrigating, seeding, pruning, ornamental planting, and pest control;
- d. archaeological/cultural resources surveys and other program requirements that are not essential for natural resources management planning or implementation;
- e. animal damage control that is not essential for natural resources management planning or implementation; habitat management aspects of bird and other animal/aircraft strike hazard reduction programs are not excluded; and
- f. requirements that are primarily organizational support versus natural resources management program support.

Table 9.4.2 lists projects for which environmental funding is anticipated for implementation of this INRMP.

Table 9.4.2. Agricultural Outlease Fund Projects*

General Topics	INRMP Section	CompTRAK Project #s	Fund Class**	FY 06	FY 07	FY 08	FY 09	FY 10	Totals
General Vegetation Management and Soil Conservation	7.3.1	MI85555	2			\$120			\$120
		MI99006	0	\$13	\$13	\$13	\$20	\$20	\$79
		MI0600002	2	\$80				\$100	\$180
		MI95556	0		\$150				\$150
Special Status Species Management	7.4	MI0NR03	1				\$150		\$150
		MI0600003	2	\$120					\$120
Vernal Pool Habitat Management	7.5.1	MI0NR05	2	\$32					\$32
		MI1000001	3					\$100	\$100
		MI0900001	3				\$80		\$80
General Wildlife Management	7.6.1	MI95556	0			\$150			\$150
Geospatial Data Management	7.8	MI65555	3		\$60				\$60
Project Support	9.2.4	MI0300009	0	\$45	\$40	\$40	\$40	\$40	\$205
Totals				\$290	\$263	\$323	\$290	\$260	\$1,426

* Funding to nearest thousands of dollars.

** See definitions in Section 9.1.1, *Funding Definitions*.

9.4.3 Centrally Managed Environmental Program Funds

Environmental funds are a special subcategory of Operations and Maintenance funds. They are set aside by the DoD and U.S. Marine Corps for environmental purposes for new, emerging requirements, immediate compliance needs, or funding requirements with no other available funding source. MCAS Miramar has no projects identified in this INRMP for Environmental Funds.

9.4.4 Other Funding

Certain items within this INRMP are not directly funded through the Natural Resources Division. These include natural resource-based mitigations associated with facility projects or activities and projects that have secondary or indirect benefits for natural resource conservation. Costs for these activities are not included within this INRMP costs.

9.5 INRMP Implementation Costs

Table 9.5 is a summary of funding avenues and dollars required for implementation of this INRMP.

Table 9.5. INRMP Implementation Costs*

Type Funds Anticipated*	Section	FY 06	FY 07	FY 08	FY 09	FY 10	Totals
OPBUD (Must Fund Projects)	9.4.1	\$476	\$486	\$606	\$506	\$496	\$2,570
Agriculture Outlease (Must Fund Projects)	9.4.2	\$58	\$203	\$203	\$210	\$60	\$734
Subtotals (Must Fund Projects)		\$534	\$689	\$809	\$716	\$556	\$3,304
OPBUD (Other Planned Projects)	9.4.1	\$0	\$10	\$0	\$0	\$0	\$10

Type Funds Anticipated*	Section	FY 06	FY 07	FY 08	FY 09	FY 10	Totals
Agriculture Outlease (Other Planned Projects)	9.4.2	\$232	\$60	\$120	\$80	\$200	\$692
<i>Subtotals (Other Planned Projects)</i>		<i>\$232</i>	<i>\$70</i>	<i>\$120</i>	<i>\$80</i>	<i>\$200</i>	<i>\$702</i>
Grand Totals		\$766	\$759	\$929	\$796	\$756	\$4,006

* Funding in thousand of dollars.

** Must Fund Project– classes 0 and 1, including staff labor costs; Other Planned Project – classes 2 and 3.

Thus, total five-year funding to implement this INRMP will be **\$4,006,000**. This will be adjusted for inflation.

9.6 Command Support

Command support is essential to implementation of this INRMP. Many projects for natural resources management within the next five years require command support. The Commanding Officer is personally liable for noncompliance with environmental laws, such as those affected by this INRMP. Thus, he has a personal interest in ensuring that this INRMP is properly implemented.

This INRMP has the support of the Commanding Officer and other personnel in command positions who are needed to implement this INRMP. The Command is dedicated to implementation of this INRMP, as required by the Sikes Act and other federal laws. Just as importantly, the Command is dedicated to maintaining and improving the military mission at MCAS Miramar. Implementation of this INRMP is a means to that end.